

Patent Abstracts of Japan

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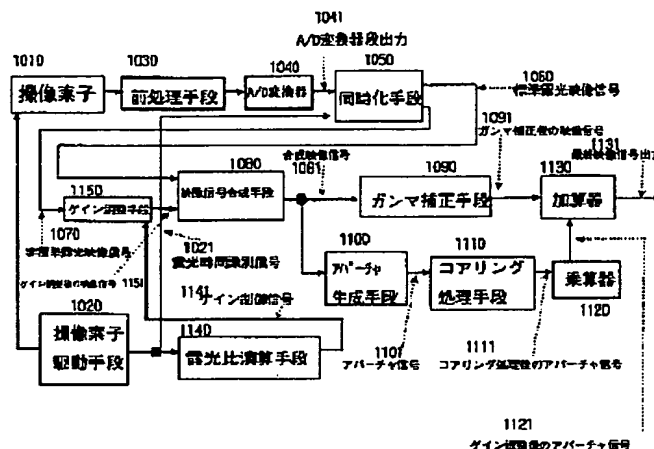
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INVENTOR : Tabei Kenji;

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TITLE : DEVICE AND METHOD FOR PROCESSING SIGNAL



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a video signal of a high dynamic range while keeping natural gradation characteristics from a low luminance range to a high luminance range concerning a signal processor for compositing the video signals of different exposure ratios in the same scene.

SOLUTION: This device is provided with a gain control means 1150 for controlling the gain of a non-standard exposure video signal corresponding to the ratio of exposure time and an exposure ratio operating means 1140 for generating a gain control signal based on an exposure time identification signal 1021 from an imaging device driving part 1020 and by compositing video signals after the gain of a non-standard exposure video signal 1070 is controlled corresponding to the ratio of the exposure time, a composite video signal 1081 can keep linear characteristics from a low luminance range to a high luminance range so that the video signal of the high dynamic range with the natural gradation characteristics can be provided.

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